

## STATE OF COLORADO

Bill Owens, Governor Jane E. Norton, Executive Director

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S. Denver, Colorado 80246-1530 Phone (303) 692-2000 Located in Glendale, Colorado Laboratory and Radiation Services Division 8100 Lowry Blvd. Denver CO 80220-6928

(303) 692-3090

http://www.cdphe.state.co.us

August 20, 2001

Darcy O'Connor, 8ENF-T

999 18th Street, Suite 500

U.S. EPA Region 8

Denver, CO 80202

RECEIVED

AUG 2 4 2001

OFFICE OF THE ATTORNEY GENERAL NATURAL RESOURCES & ENVIRONMENT SECTION



Re:

Industrial Wastewater Discharge Inspection Report for:

Rico Development Corporation St. Louis Tunnel Mine and Mill Site

**CDPS Permit # CO-0029793** 

approx. 1 mile north of Rico, Dolores County, Colorado

Dear Ms. O'Connor:

Attached please find a copy of Colorado Department of Public Health and Environment - Water Quality Control Division's May 7, 2001 inspection report for the above listed facility.

Please copy and distribute this report as you deem necessary.

If you have any questions or wish to discuss this situation further, please feel free to call me at (970) 247-5702, ext # 273.

Sincerely,

Gregory/N. Brand, P.E.

District Engineer - Durango District Office

Water Quality Control Division

CC:

Eric Heil, Town of Rico

LeRoy Gore, Dolores County Commissioners
Tony Trumbly, Colorado Department of Law
Richard Bowman, WQCD-Grand Junction
Carla Lenky, WQCD-Denver

Carla Lenky, WQCD-Denver Leslie Simpson, WQCD-Denver

attachment:

inspection report

Culturate Cabalitinalli di Haditii—1968 Section

## CDPS/NPDES FACILITY INSPECTION REPORT

ECTION A: NATIO	NAL DATA SYSTEM CODIN	VG			
Transaction Code	CDPS/NPDES 3 [C   O   O   O   2   9   7   9   3   11	yr/mo/dáy 12 0 1 0 5 0 7 17	Inspection Type	Inspector Fac Type	
1   1   1   1   1   1   1   1   1   1	1 1 1 1 1 1 1 1 1 1 1	Remarks (See Code)	111111		1 1
Reserved Facility	Evaluation Rating Bi	<u> </u>		rator in Charge	- BI
67 69	70 71 1	72 1 73 1	7 74 13	None None	<u> </u>
ECTION B. FACIL	· · · · · · · · · · · · · · · · · · ·	1 M. A. W. C.			Date
	elopment Corp. St. Louis Tu north of Rico, CO, just			Permit Expiration	n Date
ame(s) of On-Site Representati	ue(e)	Title(s)	KIGET	1-31-99 Phone No(s)	<u> </u>
ddress		City	<del></del>	State Zip	
ame of Person Conducting Ins	poction Wash-Duranga) and	Tass Voice	Wacb- Arand	X X	
	wacd-Durango) and S EVALUATED DURING IN				
ECHON C. ABEA.		Marginal, U = Unsatisfactory, N =		<u> De tre estat de ministra de la companya del companya del companya de la company</u>	
U Permit	U Flow Measurement	✓ Pretreatm		Operations & Mainte	nance
O Records/Reports Facility Site Review	U Laboratory  Effluent/Receiving \		ce Schedules toring Program	Other:	
SECTION D. OPER	ATION MAINTENANCE				
Operator in Charge: _	- None -		No. c	of Operators:	
	Salaries: \$X	Utilities: \$	Ma	intenance: \$	
,	Sludge: \$X		•		_
Collection System: 1	No. of Taps:	·		Lift Stations:	<u> </u>
Pop. Eq. Served:	NA I/I Progra	am:	Treatment	Process:	
	to mine drainage, seri		_		
Design Capacity: Hyd	draulic: Breater than 1	460 O	rganic:	∪ A	
Present Loading: Hye	draulic: ~ Approx IMAD	Organic:	NA	% Cap	<u> </u>
SECTION E MONI	TORING AND COMPLIANC				
Type and location of t	low measuring equipment:	9" wile Parsl	<del></del>		
	· · · · · · · · · · · · · · · · · · ·			(No), Comment:	·
<del></del>	٠ . ١	:	Date of I	Last Calibration: Unk	1 own
• •	analysis: Permittee has	,	Nitoring -	<del></del>	
Analysis in compliand	e with approved procedures, (Y		If (No), Commer	nt:	· · · · · · · · · · · · · · · · · · ·
		s discontinued r			
Sampling in complian	ce with permit requirements, (Y				<del></del>
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List facilities deficier	icies:		william T	respection realizable	<del></del>
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**************************************				<del></del>	

# Colorado Department of Public Health and Environment Water Quality Control Division Industrial Wastewater Discharge Inspection Report for:

Page 1 of 4

Rico Development Corporation
St. Louis Tunnel Mine and Mill Site
CDPS Permit # CO-0029793
approx. 1 mile north of Rico, Dolores County, Colorado

Date of Inspection:

May 7, 2001

Inspectors:

Gregory Brand, District Engineer

**Durango District Office** 

Water Quality Control Division ph# 970-247-5702 ext # 273

Jess Vann, Technician

Grand Junction Regional Office Water Quality Control Division

ph# 970-248-7155

On May 7, 2001, G. Brand contacted Rico Properties (Rico, CO) and Rico Renaissance (Telluride, CO) to inform them of WQCD's inspection at the Rico Development Corporation St. Louis Tunnel Mill and Mine Site ("the Site") scheduled for May 5, 2001. See attached 1-page Log Book Notes for details on contact attempts by G. Brand. Although, neither of these parties admit ownership or responsibility for the site and wastewater treatment facilities, neither parties have objected to WQCD visiting the Site. Both these parties have offered their assistance to WQCD if we needed any. Mr. W. Baird (Rico Renaissance) has an on-going open invitation to WQCD and EPA to access the Site, take samples, take photographs, etc., whenever we need to.

and

On May 7, 2001, G. Brand also attempted but was unable to contact Mr. David Sell (Rico Development Corporation) at phone number 303-984-9276. Note that this phone number for Mr. D. Sell is WQCD-Durango's last known phone number for Mr. D. Sell.

#### Rico Development Corporation:

Wayne E. Webster (owner)

P.O. Box 592

Athens, Texas 75751

David L. Sell (legal contact on permit)

(address unknown)

Denver, Colorado ph# 303-984-9276

#### Rico Renaissance L.L.C. and Rico Properties L.L.C.

William H. Baird (developer) Rico Renaissance LLC

P.O. Box 1260

7 .O. DOX 1200

Telluride, Colorado 81435

ph# 970-728-4306

Stan Foster (realtor, developer)

Rico Properties LLC

P.O. Box 220

Rico, Colorado 81332

ph# 970-967-5440

There is a dispute on the ownership and responsibility of the facilities covered under the permit CO-0029793. U.S. EPA Region 8 and Colorado Department of Law have filed a lawsuit against Rico Development Corporation for violations of the Clean Water Act. Litigation is currently ongoing in federal court. U.S. EPA Region 8 is currently coordinating enforcement activities.

#### U.S. EPA Region 8 and Colorado Department of Law

Darcy O'Connor, 8ENF-T ph# 303-312-6392 Lee Hanley, 8ENF-T ph # 303-312-6555 U.S. EPA Region 8 999 18th Street, Suite 500 Denver, CO 80202 Tony Trumbly ph# 303-866-5054 Natural Resources Section Colorado Department of Law 1525 Sherman Street, 5th Floor Denver, CO 80203 On Monday, May 7, 2001, WQCD (G. Brand and J. Vann) conducted an inspection of the Site.

WQCD inspected the St. Louis Tunnel, the wastewater treatment facility, the St. Louis Settling Pond system, Outfall 002 which is the permitted discharge point from the Pond system to the Dolores River, and Outfall 001, also known as the Blaine Tunnel which discharges into Silver Creek.

The access road gate to the Site was unlocked and open. Snow at the Site had already melted.

A large steady flowrate (unable to estimate) of turbid orangish-yellow colored liquid was discharging from the St. Louis Tunnel Portal. The mine drainage flow apparently is suppose to split with part going directly to the Settling Pond system with the other part going to the wastewater treatment facility. The Splitter Box which is located between the St. Louis Tunnel Portal and the wastewater treatment plant was found plugged with debris.

The orangish-yellow colored mine drainage was traveling over the surface of the ground, around the wastewater treatment plant, and eventually into one of the uppermost settling ponds. Very little mine drainage flow was coming out of the underground culverts which discharge into the uppermost Settling Ponds. The underground culverts are suppose to carry the mine drainage from the Splitter Box, through or around the treatment plant, and eventually discharge into the upper most Settling Ponds.

WQCD did <u>not</u> see any of the orangish-yellow mine drainage being discharged directly from the St. Louis Tunnel Portal into the Dolores River. It appeared to WQCD that the mine drainage is flowing through the Settling Ponds prior to discharge to the Dolores River. For over four (4) years, the wastewater treatment plant (lime addition operation) has apparently been locked, and completely shut-down and non-operational. <u>No</u> records appeared to be kept on-site. <u>No</u> certified wastewater treatment operator was on-site.

The mine drainage flows into the Settling Pond system and then flows from one pond to the next (approximately a total of 10 ponds). The initially turbid water becomes clearer as the water flows through the Settling Pond system.

The Year 2000 Repairs to the Uppermost Settling Pond appeared in good shape. The uppermost settling pond was full of mine drainage but appeared to have enough freeboard to prevent unwanted discharges into the Dolores River. Please note that the WQCD's Year 2000 inspection Report showed strong evidence that the uppermost pond overtopped the dike and discharged mine drainage into the Dolores River. No overtopping was occurring at the time of inspection.

The Year 2000 Repairs also included a Rip-Rap Trench across the dike which separates the uppermost settling pond and the next lower settling pond. The Rip-Rap Trench appeared in good shape. This trench allows mine drainage to flow from the uppermost to the next lower settling pond. Please note that WQCD has noted in previous inspections that the "flow-through culverts" from pond-to-pond had become plugged with sticks and debris, and that proper flow from pond to pond was not occurring. Proper routine maintenance is not occurring at the Site.

The entire wastewater surface flow from the Settling Pond system appeared to flow through permitted discharge point (Outfall 002). This discharge goes directly into the Dolores River. WQCD estimated the flowrate through the parshall flume at 565,000 gallons per day. The location of Outfall 002 was measured at Latitude 37°42.06 N, Longitude 108°01.83 W.

WQCD took water quality grab samples at Outfall 002. Field measurements were as follows: pH = 7.12, Specific Conductance = 1367, Temperature = 11.7° C.

Outfall 002 samples were taken, and sent to and analyzed at the State Laboratory (Denver, CO) for: Total recoverable ("TR") Cadmium, TR Copper, TR Lead, TR Silver, TR Zinc, Total Suspended Solids and Mercury. See attached sample results and supporting paperwork.

WQCD inspected the Blaine Tunnel (Outfall 001) which is located east of Rico, up Silver Creek. The access road was clear of snow, so WQCD was able to inspect and sample the mine drainage discharge from the Blaine Tunnel.

WQCD found the Blaine Tunnel (Outfall 001) discharging orange-colored liquid from the tunnel into Silver Creek at an estimated the flowrate of 1-3 gallons per minute (gpm).

WQCD took water quality grab samples at Outfall 001. Field measurements were as follows: pH = 2.76, Specific Conductance = (unable to measure due to strong nature of the liquid).

Outfall 001 samples were taken, and sent to and analyzed at the State Laboratory (Denver, CO) for: Total recoverable ("TR") Cadmium, TR Copper, TR Lead, TR Silver, TR Zinc, Total Suspended Solids and Mercury. See attached sample results and supporting paperwork.

Previous inspections of the Blaine Tunnel have shown that approximately 1-3 gallons per minute of low-pH mine drainage continues to discharge into Silver Creek. The Rico Development Corporation (the permittee), in 1990 supposedly sealed the Blaine Tunnel with concrete and routed this mine drainage flow from the Blaine Tunnel to the St. Louis Tunnel. The plugging of the tunnel was done to eliminate the discharge point from the Blaine Tunnel to Silver Creek (Outfall 001).

WQCD also noted problems with the Abandoned Mine Building which is located near the Blaine Tunnel and adjacent to Silver Creek. Insulation and trash were blowing from the Abandoned Mine Building into Silver Creek. See Photos.

#### Continuing Wastewater Discharge Permit Violations

- 1. <u>PC Part I.A.1.b. Effluent Limitations from Outfall 002</u> WQCD strongly suspects that the wastewater treatment plant (lime addition operation) has been non-operational for over (4) four years, and that effluent limitations are being exceeded.
- PC Part I.B.1.a. and PC Part I.B.2 According to WQCD-Denver records, the last Discharge Monitoring Report ("DMR") was filed with WQCD-Denver for August 1996.
   Therefore, over four (4) years of required monitoring has not been performed and reported as per permit conditions.
- 3. <u>PC Part II.A.3</u> WQCD-Durango does <u>not</u> believe the permittee has provided WQCD-Denver and/or EPA Region 8 with the proper notification regarding non-compliance at Old Outfall 001 and Outfall 002.
- 4. <u>PC Part II.A.5 and A.6</u> WQCD-Durango does <u>not</u> believe that the permittee notified WQCD that a bypass of the Wastewater Treatment Plant has been occurring.

- 5. <u>PC Part II.A.9</u> The permittee has <u>not</u> taken all reasonable steps to minimize adverse impacts to State waters. For over four (4) years, the permittee has apparently stopped treating the mine drainage from the St. Louis Tunnel and monitoring Outfall 002, which discharges into the Dolores River. No routine maintenance is occurring at the Site. The Blaine Tunnel (Old Outfall 001) continues to discharge low-pH mine drainage into Silver Creek.
- 6. PC Part II.A.12 For over four (4) years, the permittee has apparently <u>not</u> properly operated and maintained all facilities and systems of treatment and control which are included under this permit. Lack of operation and routine maintenance have allowed the "flow-through culverts" at the Wastewater Treatment Plant to become plugged. Thus the untreated orangish-yellow colored mine drainage is traveling over the surface of the ground, around the Wastewater Treatment Plant, and eventually into one of the uppermost settling ponds.
- 7. <u>PC Part II.B.3</u> Although the permittee (Rico Development Corporation) claims that they are <u>not</u> responsible for the site or the permit, <u>no</u> transfer of ownership or control of this permit was made in accordance with this permit condition. WQCD-Durango is <u>not</u> aware of any written agreements regarding transfer of permit responsibility, coverage and liability.

WQCD-Durango District Office will continue to support U.S. EPA, the Colorado Department of Law, and WQCD-Denver as needed.

Attachments: May 7, 2001 inspection report form by WQCD.

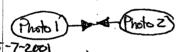
May 7, 2001 inspection photographs by WQCD.

May 7, 2001 1-page Log Book Notes on details of contact attempts by G. Brand. Outfall 002 and Outfall 001 Analytical Sample Results and supporting paperwork.





Pan-o-ramic View of Str Louis Tunnel Mine & Mill Site.



Pan-o-ramic Véew

Photo 2) 1 (Photo 3)

Pan-o-ramic View
Photo 3

Inspection of site and waterwater facilities at:

Rico Development Corporation
St. Louis Tunnel Mine & Mill Site
CDPS Permit Number CO-0029793
Dolores County, Colorado

Photos by: Greg Brand, District Engineer
Wald-Durango

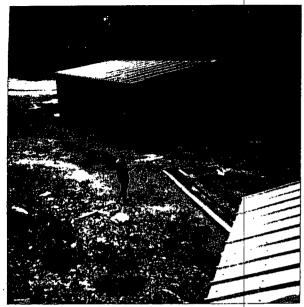
See 5-7-2001 Inspection Report

Photo Page 1 of 3

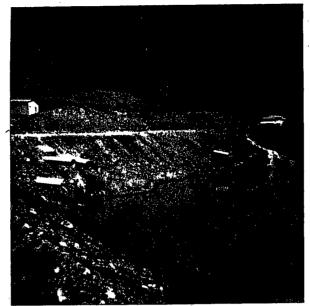


Pan-o-ramic View 5-7-200

Photo 4



Splitter Box at Wastewater Treatment
Plant is plugged. Mine trainage is
traveling across ground surface. 5-7-200



Most of the upper Culverts are plugged No flow through these culverts. Almost all mine drainage is flowing over the ground sorface. See by State Vehicle.

5-7-2001



Site where spill occurred in year 2000. Year 2000 Repairs to Uppermost Settling Pend in good shape. 5-7-2001



Year 2000 Repairs - Rip Rap Trench across Dike which seperates uppermost Settling Pond and next lower fond in good shape, 5-7-20

Inspection of site and wastemater facilities at:

Rico Development Corporation St. Louis Tunnel Mine & Mill Site CDPS Permit Number CO-0029793 Dolores County, Colorado

Photos by: Arra Brand
Waco-Durango

See 5-7-2001 Inspection Report

Photo Page 2 of 3



Samples being taken by Jess Vann (Wacd-Grand Junetion) at Outfall OOZ, 5-7-2001



Jess Vann (WQCD - Grand Junction) samples Blaine Tunnel discharge, 5-7-2001



Close up of Mine Drainage from the Blaine Tunnel discharging into silver Creek. Note: From under the foot of Jess Vann in Silver Creek 5-7-2001



Sampling of Blaine Tunnel discharge



Sampling of Blaine Tunnel Discharge. 5-7-2001

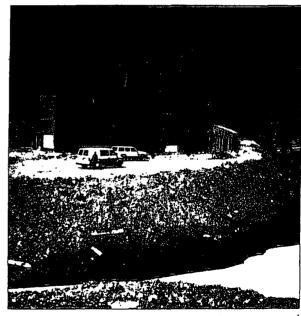
Inspection of site and wastewater facilities at:

Rico Development Corporation St. Louis Tunnel Mine & Mill Site CDPS Permit Number CO-0029793 Dolores County, Colorado

Photos by: Greg Brand Wald - Dorango

See 5-7-2001 Inspection Report.

Photo Page 3 of 3



Abandoned Mine Building near Blaine Tunnel. Silver Creek in fore-around. Note: Insulation of Trash blooming into Silver Creek 5-7-2001

Gra Brand Waleb - Durango Cog Book Notes (MONDAY MAY 7, 2001) Stop & get Poloroid Film Will Drive to Rizo to weet Juss Vann for Riso Discognist Corp - St Louis Time! WW Inspection (Major Facility) Contact attempts by Grea Brand - call scoreing first David Sell's by Wald-Dungo

- call scoreing first phone number

- no recommendations of the score of New phone number (maybe?) - no response - no message left (970) 728-4306 (William Baird Rico Renaissance) New phone number (maybe?) - got answering machine - fing left a debiled yessenge also asking for surpeone to call any back to confirm messing was received. wrong phone number > Lynn gave was permission to access the site. Lynn gabe Greg = From numbers for William Barrd (purher W/ Rico Renaissance) -> Forda ph# (941) 561-2221 How term from Construction (-1017am) Gran left message on Tony Trumbly's (AGO-Denier) phonemail (303) 866-5054 Grey left message on WW Inspection, (10:18 am) Monica Heimfal US-EPA- Region 8-Donver (303) 312-6359 Monica will be Rolumy provocalls on wed Hoy Ste Gray left yessays on ww' Inspection

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

INORGANIC CHEMISTRY LABORATORY DATE:

06/06/01 REPORTED BY: P.O. BOX 17123, DENVER, CO 80217-0123 MS

(303)692-3048

SAMPLE NUMBER:

20012000

SAMPLE DESCRIPTION: CDPHE-WQD CO-0029793 C/O RON FALCO

ADDRESS :

COUNTY: DLR

PHONE:

0

COLLECTED BY:

JESS VANN

WHERE:

ST. LOUIS TUNNEL/002

DATE SAMPLED: DATE RECEIVED: 05/11/01

05/07/01

BOTTLES:

LNEUT, LM, M

TYPE:

4

COMMENTS:

RICO DEVELOPMENT CORPORATION

NO FM FOR HARDNESS

#### ANALYSIS RESULTS

CADMIUM	4.8	ug/L
COPPER	< 20	ug/L
HARDNESS, TOT. ***	NO BOTTLE	mg/L
LEAD	< 1	ug/L
MERCURY	< 0.2	ug/L
SILVER	< 0.2	ug/L
SOLIDS, SUS.	< 10	mg/L
ZINC	1100	ug/L

\*\*\* AS CaCO3





and Environment

Laboratory and Radiation Services Division 8100 Lowry Boulevard, Denver CO 80230-6928 US Mail: PO Box 17123, Denver CO 80217 (303) 692-3090 fax (303) 344-9989

## LARGEST CONTROLLAR

-YEAR- MONTH-D A Y Collector's 3 Inits

### REQUEST FOR ANALYTICAL SERVICES

ILEGOEST LONG MAKELLIONE SEIKAICE	TripID Collection No: 0   1   0   5   0   7   T   P   Y
CUSTOMER	SAMPLE INFORMATION
CustomerID: WT000255  Name: CDPHE-WQD-Monitor#  Address: 4300 Cherry Creek Drive South  City/St/Zip: Denver, CO 80246-1530  Contact: Ron Falco, WQCD, TSU  Phone: (303) 692-3569	Collected: 05/07/01 MILITARY 13.45  month day year MILITARY 13.45  TIME: hour min  Collected by: TGS VAWW Matrix:  Routine Rivers/Streams/Lakes  TMDL Discharge  Test Panel
Permit No. C0-0029793  Description: Rico Development Corporation  St. Louis Tunnel / Outfall 002  New Station? County: Dolores	Sample Type:  Sample Type:  BOTTLE INFORMATION  Mark numbers of bottles in box  BOTTLE M FM Neut Nut Hg CN Number  250mL  500 mL  Liter:  Duplicate  Liter  Micro  Other:
TEST ORDER (Chec	k appropriate box) :
CHEMISTRY  METALS  NUTRIENTS  TR diss Total  Aluminum  Nitrogen, Ammonia  Nitrogen, Kjeldahl  Nitrogen, Total  Arsenic  Cadmium  Chromium  Chromium  Ardness, total  NEUTRALS  Magnesium  Magnesium  Manganese  Conductivity  Fluoride	## FIELD TEST  pH:   7
Nitrite Potassium Phosphate, Ortho Selenium Silver Solids, Dissolved Solids, Total suspended Solids, Total OTHER Cyanide, dist Sulfide	RADIOCHEMISTRY  Radium 226 Radium 228  MICROBIOLOGY Fecal Coliforms, MTF E Coli, MPN

LARS Internet Address: http://www.cdphe.state.co.us/ir/Irhom.htm

Report #251Req, Rev 12/14/1999

X Neut, LM, M.

Colorado Department of Health Water Quality Control Division

DISCHARGE SAMPLE

Bacti Lab No.

<u></u>	NEC 0	DY:
Name of Sampling Location: St.Louis Tunnel/ Outfall 002 SC: CO-0029793	Date and Time Collected:  0105071345  Y Y M M D D Hrs. Min.	Remarks Rico Development Corporation GRAB SAMPLES COLLECTED
Dolores Name of Sampler: Jess Vann River Sample: Circle if Apply Complete Incomplete Special		AT EFFLUENT Flume-00
P60 STREAM FLOW (cfs)	P1002 ARSENIC (ug/l)	P1067 NICKEL (ug/1)
P50050 DISCHARGE FLOW (MG/D)  O 5 6 5 SAMPLING  P11 TEMPERATURE (F°)	P945 SULFATE (mg/1) P665 T-PHOS as P (mg/1)	P1147 SELENIUM (ug/1)  P1077 SILVER (ug/1) T.R.
P400 pH (Standard Units)  7	P70507 ORTHO PHOS as P(mg/1)(	
P50060 TRC (mg/1)	P900 T-HARDNESS as CaCO3 (mg/1) P1012 BERYLLIUM (ug/1)	P1034 T-CHROMIUM (ug/1) P1032 HEX. CHROMIUM (ug/1)
P410 T-ALK as CaCO3 (mg/1)  1563.9ml/25ml	P1027) CADMIUM (ug/1) T.R.	P22703 URANIUM-Natural (ug/l)
P556 0 ε G (mg/l)	P1022 BORON (ug/1) P1042 COPPER (ug/1) 7, R,	P1501 GROSS ALPHA (pc/1) P1502 P9503 GROSS BETA (pc/1) P9504
P310 B0D (mg/1)	P1045 IRON (ug/1)	P3501 DIS. RAD226(pc/1) P3502
P530) TSS (mg/1)	P105) LEAD (ug/1) T. R.	P81366 DIS. RAD228(pc/1) P81367
P70300 TDS (mg/1) P95 COND (micromhos)	P1055 MANGANESE (ug/1)  P71900 MERCURY (ug/1) ToTAL	P610 AMMONIA as N· (mg/1)  P625 TKN as N (mg/1)
P720 T-CYANIDE (mg/1)	P1062 MOLYBDENUM (ug/1)	P630 NITRITE/NITRATE as N (mg/1)

	•	•
P615 NITRITE as N (mg/l)	P937 POTASSIUM (mg/l)	FECAL COLIFORM / GRAB SAMPLE
		FLOW PROPORTIONED COMPOSITE:
P620 NITRATE as N (mg/l)	P1105 ALUMINUM (ug/l)	BOD & TSS Flow Increment NH3  #   Time   in MGD   in ml   inc
P340 COD (mg/1)	FLOW MEASURING DEVICE:	
	9" PARSHALL Flyme	
P940 CHLORIDE (mg/1)	AT EFFLUENT	
	0.44 FT: DEBRIS	
P951 FLUORIDE (mg/1)	upstream of Flume.	
P32730 PHENOL (ug/1)		
THEROE (ag/1)		
	↑ MGD	required in mI = INCREMENT
Sketch of Sampling Location:	NUMBER of samples	X AVERAGE FLOW )
		X (AVERAGE FLOW ) in MGD
nes piven &	(of samples	X (AVERAGE FLOW )
aples collectes fond	(of samples	in MGD
ones RIVEN L	(of samples	X (AVERAGE FLOW in MGD)  -N-  ST.LOUIS MINET PORT

Stream or Plant Condition	Sample Appearance	Weather
MINE PORTAL DISCHENCE  PONDS -> DISCHENCE	clcor	~ 50°
, pischer de		LIGHT WIND

	Chain	-of-Cu	stody	Repo	rt
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Colorado Department of Public Health and Environment Water Quality Control Division

List of Samples to be Relinquested with Date of Sampling, Site #, or Sample # or ID, and Description

		Cestarioner	. Numerioxercae: Estatilles:
5/7/01	CO-0029793	Rico Development Corporation / St. Louis Tunnel / Outfall 002	3
5/7/01	CO-0029793	Rico Development Corporation / Blaine Tunnel / Outfall 001	3
5/7/01	10716	Dolores River below Rico	4
5/7/01	10701	Dolores River at Dolores	. 4
5/7/01	9720	East Fork Mancos River at 44 Rd	4
			•
		ow (Planner, Aglanicy);   Date: / Finne Statingles Revenued by (Planne, Aglancy).	Digne - Figore
Jen	Varm. CS	DPHE, WQ(D, MU 05-09-01 72:30pm	
1			
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<u> </u>			

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

INORGANIC CHEMISTRY LABORATORY

DATE:

06/07/01

P.O. BOX 17123, DENVER, CO 80217-0123

REPORTED BY:

VF

(303)692-3048

SAMPLE NUMBER:

20011999

SAMPLE DESCRIPTION: CDPHE-WQD CO-0029793 C/O RON FALCO

ADDRESS:

COUNTY: DLR

PHONE:

COLLECTED BY:

JESS VANN

WHERE:

BLAINE TUNNEL/ SITE 001

DATE SAMPLED:

05/07/01

DATE RECEIVED: 05/11/01 BOTTLES:

LNEUT, LM, M

TYPE:

4

COMMENTS:

RICO DEVELOPMENT CORPORATION

NO FM FOR HARDNESS

#### ANALYSIS RESULTS

CADMIUM	1480	ug/L
COPPER	33000	ug/L
HARDNESS, TOT. ***	NO BOTTLE	mg/L
LEAD	180	ug/L
MERCURY	0.63	ug/L
SILVER	< 4	ug/L
SOLIDS, SUS.	18	mg/L
ZINC	220000	ua/L

\*\*\* AS CaCO3



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and Environment

Laboratory and Radiation Services Division 8100 Lowry Boulevard, Denver CO 80230-6928 US Mail: PO Box 17123, Denver CO 80217 (303) 692-3090 fax (303) 344-9989

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	25/49			1
	副-YEAR-	-MONTH-	DAY	Collector's 3 Inits

REQUEST FOR ANALYTICAL SERVICE	ES TripID Collection No: 0 1 0 5 0 7 7 P V
CUSTOMER	SAMPLE INFORMATION
CustomerID: WT000255  Name: CDPHE-WQD-Monitor#  Address: 4300 Cherry Creek Drive South  City/SvZip: Denver, CO 80246-1530  Contact: Ron Falco, WQCD, TSU Phone: (303) 692-3569  SITE  Permit No. C0-0029793  Description: Rico Development Corporation  BLAINE TUNNEL / SITE - 001  New Station? County: Dolores	Collected: 05 / 0 7 / 0 / TIME: 15.15  month day year hour min  Collected by: JESS VANN Matrix:  Routine Rivers/Streams/Lakes  TMDL Discharge  Test Panel  BOTTLE INFORMATION  Sample Type: Mark numbers of bottles in box  BOTTLE M FM Neut Nut Hg CN Number  Som mL  Trip Blank Field Blank Field Blank Duplicate  Liter: 1   1   1   1   1    Micro
TEST ORDER (Chec	Other :
CHEMISTRY  METALS  NUTRIENTS  TR dlss Total   Nitrite/nitrite   Nitrogen, Ammonia   Nitrogen, Kjeldahl   Nitrogen, Kjeldahl   Nitrogen, Total   Phosphate, Total   Ph	PIELD TEST
Nickel  Potassium  Potassium  Selenium  Sulfate  Solids, Dissolved  Solids, Total suspended  Solids, Total	RADIOCHEMISTRY  Radium 226  Radium 228  MICROBIOLOGY
OTHER  Cyanide, dist Sulfide	Fecal Coliforms, MTF  E Coli, MPN

Colorado Department of Health Water Quality Control Division

DISCHARGE SAMPLE

Water Lab	No.	
Bacti Lab	No.	

water Quality Control Division	Rec <sup>3</sup> d	Ву:
Name of Sampling Location:  BLAINE TUNNEL-SITE 001  SC: CO-0029793  County:  Dolores  Name of Sampler:  TCSS VANN  River Sample: Circle if Apply  Complete Incomplete Special	Date and Time Collected:  O 1 0 5 0 8 / 5 / 5  Y Y M M D D Hrs. Min.  If Composite Sample:  To Hrs. Min. Hrs. Min.  Date Received in Water Lab:  Y Y M M D D Hrs. Min.  Date Reported:  Y Y M M D D	REMARKS RICO DEVELOPMENT CORP. GRAB SAMPLES COLLECTED AT DISCHENCES (TE-00)
P60 STREAM FLOW (cfs)	P1002 ARSENIC (ug/1)	P1067 NICKEL (ug/1)
P50050 DISCHARGE FLOW (HG/D)	P945 SULFATE (mg/1)	P1147 SELENIUM (ug/1)
P11 TEMPERATURE (F°)	P665 T-PHOS as P (mg/1)	P1077) SILVER (ug/1) T.R.
P400 pH (Standard Units)	P70507 ORTHO PHOS as P(mg/10	P1092) ZINC (ug/1) T.R.
P299 DO (mg/1)	P900 T-HARDNESS as CaCO3 (mg/1)	P1034 T-CHROMIUM (ug/1)
P50060 TRC (mg/1)	P1012 BERYLLIUM (ug/1)	P1032 HEX. CHROMIUM (ug/1)
P410 T-ALK as CaCO3 (mg/1)	P1027 CADMIUM (ug/1)T.R.	P22703 URANIUM-Natural (ug/l)
P556 0 & G (mg/1)	P1022 BORON (ug/1)	P1501 GROSS ALPHA (pc/1) P1502
P31615 F-COLI.(per 100 ml)	P1042 COPPER (ug/1)T, R.	P9503 GROSS BETA (pc/1) P9504
P310 BOD (mg/l)	P1045 IRON (ug/1)	P3501 DIS. RAD226(pc/1) P3502
P530 TSS (mg/1)	P1051 LEAD (ug/1) T.R.	P81366 DIS. RAD228(pc/1) P8136
P70300 TDS (mg/l)	P1055 MANGANESE (ug/l)	P610 AMMONIA as N (mg/l)
P95 COND (micromhos)	P71900 MERCURY (ug/1) TOTAL	P625. TKN as N (mg/1)
P720 T-CYANIDE (mg/1)	P1062 MOLYBDENUM (ug/1)	P630 NITRITE/NITRATE as N (mg/1)

P615 NITRITE as N (mg/l)	P937 POTASSIUM (mg/l)	FECAL COLIFORM / GRAB SAMPLE
		FLOW PROPORTIONED COMPOSITE:
P620 NITRATE as N (mg/l)	P1105 ALUMINUM (ug/1)	BOD & TSS Flow increment NH3-
		#   Time   in MGD   in ml   incr
P340 COD (mg/1)	FLOW MEASURING DEVICE:	
	•	
P940 CHLORIDE (mg/1)	BUCKET & STOPWATCH -	
THE CHECK TOE (IIIG) 1)	2 gAL /26 SECONDS =1 gAL /52 SECONDS	
P951 FLUORIDE (mg/1)	= 1641 gAL ( DA).	
TEGORISE (mg/1)	1674 gAC ( 111/.	
P32730 PHENOL (ug/1)		
	/	Tromax gainty
· · · · · ·	N CALCULATIONS: ( FLOW in MGD	TOTAL SAMPLE required in mI = INCREMENT
·	NUMBER	AVERAGE FLOW
Sketch of Sampling Location:	(of samples	in MGD
	1	
## · ·		
	BLAINE TU	ON TUNNEL
· ·		
	SAMPLE:	S Collection
•	BROP FR	POM THE AT
		MONEC
OLD	1   2	
MINE INGS	( .\	
AILLD INGS	[CR]	
	T Creek	
	f.)	
		•
	<b>/*</b> /	
Stream or Plant Condition	Sample Appearance	Weather
MINE PORTAL ->	TURBID - LIGHT ORANGE	100
MINE PORTAL ->	- ORANCE	N 50
UIS CRICY (C	LISMY	N 50°
<u> </u>		

Chain-o	f-Custoo	dy Repor	t
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Page	of
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Colorado Department of Public Health and Environment Water Quality Control Division

		Relinquested with Date of Sampling, Site #, or Sample # or ID, and Description	
Deta		D/+signoliten	Mercaleral ar Espainas
		Rico Development Corporation / St. Louis Tunnel / Outfall 002	3
5/7/01	CO-0029793	Rico Development Corporation / Blaine Tunnel / Outfall 001	3
5/7/01	10716	Dolores River below Rico	4
5/7/01	10701	Dolores River at Dolores	4
5/7/01	9720	East Fork Mancos River at 44 Rd	4
			¢
	j.		
		ery (Maigne, Aglantogy) ( Daile ) ringe Sarrighes Pracelles in (Mainne Aglantog)	Daller . A. Hipele
yen	lam, co	PHE, WQ(D, MU 05-09-01 72:30pm	
1	· •		
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#### ENFORCEMENT MONITORING FACT SHEET

1. 3.	Name of Entity: RICO DEVELOPMENT CONFORATION 2. Permit #: CO-0029793  Date of Contact:  4. Time of Contact:
5.	
	WILLIAM DAIRD AT 970 728-4306-LEFT MESSAGE. LYNN LANG AT 970 967-5440
6.	Phone No. where he can be reached: <u>SEE ABOVE</u> 7. Contacted by: GREG BRAWD
8.	Date of Scheduled Sampling: 05-07-0
9.	Does Representative of Entity Wish to be Present? UNKNOWN
10.	If so, what is his name, title and phone number? $\nu/A$
11.	Do they wish to split samples? UNKNOWN - SPLIT SAMPLE COLLECTED
12.	If so, will they provide container? CDPHE CONTAINERS.
13.	What arrangements have been made to meet representative and/or gain entrance to the
	facilities was as to contact DAWA Soul fort Michael and William
	BAIRD'S TELLURIDE, COLORADO'S OFFICE ANSWERING MACHINE.
	BAIRD'S TELLURIDE, COLORADO'S OFFICE ANSWERING MACHINE.  TALKED WIT LYNN LANG, OFFICE MANAGER FOR RICO RENAISSANCE  LOCATION IN PICO, COLORADO, LEFT MESSAGE ON TONY TRUMBLY'S (AGD-  DENVER) AT 303 866-5054, ALSO LEFT MESSAGE FOR US EPA-REGION
	TOCATION IN PICO COLORADO, LET MESSACIE ON TONY TRUMBLY STAGO-
	8 in DENLIER FOR MONICA HEINIDAL AT 303 312-6359
	ullet
14.	Parameters to be monitored: BOD Suspended Solids X D.O. pH X Fecal Coliform Temperature Turbidity Chlorine Residual
	Fecal Coliform Temperature Turbidity Chlorine Residual
	Oil & Grease VISUAL OTHERS (list): TOTAL MERCURY, TOTAL HARDNESS AS CaCO3. TOTAL
1=	Type of sample (grab or composite, describe)?
15.	GRAB SAMPLES COLLECTED
	GRAO SATIPLES COLLECTED
16.	Special containers or preservatives? TOTAL RECOVERSUE METALS / 12 PUSTIC METALS
	BOTTLE, TOTAL HS / 250MR PLASTIC METALS BOTTLE, TSS & TOTAL HARDNESS /
	IL PASTIC BOTTLE-NEUTRAL
17.	
	JESS VANN, COPHE, WACD, MUNITORING UNIT- ENGITECH
	GREG BRAND, COPHE, WOCD, TECH SERVICES UNIT - P.E.
	IN MY CUSTODY Gen Can
18.	Was sample split? SOUT SAMPLES LEFT AF COPHE DYKANGO BRANCH LAB
19.	Who received or denied split (name & title)?
	SPLIT SAMPLES REMINED IN MY CUSTODY - GLIS Chi
20	Disposition of sample after collection: Samples Remainded IN MI CUSTONI
20.	
	and SEALED. Cless land 05-09-01
DESC	ADVO
REMA	ARKS:
	DISCHARGE SAMPLES COLLECTED AT SITES-002 AND OOL
	BIJOHAICE - A TOO STORE OF THE STORE CON
Not	
Qua	Signature of sampler: // // // // // Act," these results may be used, in the future, for enforcement actions.
	102-07-01